# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

**Modified Cost RS.** 10286000.00

**Name of Work:-**Modified estimate for Improvements of Anganawadi buildings and Improvements of Government school buildings in ward no-04 of Yelahanka Satellite town sub division.

| S.No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Provision for Dismantling of Existing RCC Structure and removing the debris as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc.**(BCSR Item No 18.19, Page No.139)** | Cum | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | Roof | | 1 | 6.00 | 4.85 | 0.15 | 4.37 | | |
| | | | 1 | 4.50 | 3.90 | 0.12 | 2.11 | | |
| | columns | | 8 | 0.30 | 0.20 | 4.20 | 2.02 | | |
| | | | 6 | 0.40 | 0.20 | 3.90 | 1.87 | | |
| | Lintel | | 1 | 22.80 | 0.20 | 0.15 | 0.68 | | |
| | | | 1 | 16.50 | 0.20 | 0.12 | 0.40 | | |
| | Flooring | | 1 | 4.50 | 4.35 | 0.15 | 2.94 | | |
| | | | 1 | 4.00 | 3.50 | 0.12 | 1.68 | | |
| | Coping | | 1 | 22.80 | 0.45 | 0.15 | 1.54 | | |
| | | | 1 | 16.50 | 0.40 | 0.15 | 0.99 | | |
| | | | | | | | **18.58** | 1766.03 | **32820.00** |
| 2 | Provision for Dismantling of Existing Brick masonry and removing the debris as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental chargesetc.**(BCSR Item No 18.23, Page No.139)** | Cum | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | L/walls | | 2 | 6.00 | 0.23 | 4.20 | 11.59 | | |
| | | | 2 | 4.50 | 0.23 | 3.90 | 8.07 | | |
| | S/Walls | | 2 | 4.85 | 0.23 | 4.20 | 9.37 | | |
| | | | 2 | 3.50 | 0.23 | 3.90 | 6.28 | | |
| | | | | | | | **35.31** | 397.47 | **14036.00** |
| 3 | Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.No.KBS 2.1 (a)/2.3.1 KSRB 2-1.1:-do- ordinary soil **(BCSR Item No 2.1 Page No 6)** | Cum | | | | | | | |
| | **Ground floor:-** | | | | | | | | |
| | Footings:-C1 | | 3 | 4.10 | 3.00 | 1.85 | 68.27 | | |
| | C2 | | 2 | 3.70 | 2.50 | 1.85 | 34.23 | | |
| | C3 | | 5 | 3.14 | 2.30 | 1.85 | 66.80 | | |
| | C4 | | 3 | 2.20 | 2.20 | 1.85 | 26.86 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | CF1 | | 1 | 5.45 | 3.70 | 1.85 | 37.31 | | |
| | CF2 | | 1 | 6.85 | 2.90 | 1.85 | 36.75 | | |
| | CF3 | | 1 | 9.05 | 2.10 | 1.85 | 35.16 | | |
| | CF4 | | 1 | 10.55 | 2.10 | 1.85 | 40.99 | | |
| | Foundations:-L/Walls | | 2 | 28.00 | 0.75 | 0.60 | 25.20 | | |
| | | | 1 | 7.90 | 0.75 | 0.60 | 3.56 | | |
| | S/Walls | | 2 | 5.20 | 0.75 | 0.60 | 4.68 | | |
| | | | 2 | 5.25 | 0.75 | 0.60 | 4.73 | | |
| | | | 6 | 5.25 | 0.75 | 0.60 | 14.18 | | |
| | Sanitary Trench | | 1 | 30.00 | 0.45 | 0.75 | 10.13 | | |
| | Inspection Chamber | | 1 | 1.20 | 1.20 | 0.75 | 1.08 | | |
| | | | | | | | **409.90** | | |
| | Footings:-C1 | | 3 | 4.10 | 0.75 | 0.60 | 5.54 | | |
| | C2 | | 2 | 3.70 | 0.75 | 0.60 | 3.33 | | |
| | C3 | | 5 | 3.14 | 0.75 | 0.60 | 7.07 | | |
| | C4 | | 3 | 2.20 | 0.75 | 0.60 | 2.97 | | |
| | CF1 | | 1 | 5.45 | 0.75 | 0.60 | 2.45 | | |
| | CF2 | | 1 | 6.85 | 0.75 | 0.60 | 3.08 | | |
| | CF3 | | 1 | 9.05 | 0.75 | 0.60 | 4.07 | | |
| | CF4 | | 1 | 10.55 | 0.75 | 0.60 | 4.75 | | |
| | | | | | | | **33.26** | | |
| | | | | | | | **376.64** | | |
| | | A)Up to125% of quantity | | | | | **293.59** | 281.96 | **82780.00** |
| | | B)Above 125% of quantity | | | | | **83.05** | 281.96 | **23418.00** |
| | Basic Rate | 249.00 | | | | | | | |
| | Area Weightage 8% | 19.92 | | | | | | | |
| | Sub Total | 268.92 | | | | | | | |
| | Add +4.85% Above asTender premium | 13.04 | | | | | | | |
| | Total Rs | 281.96 | | | | | | | |
| 4 | Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labourcomplete as per specifications.**(BCSR Item No 2.10, Page No 7)** | Cum | | | | | | | |
| | **Ground floor:-** | | | | | | | | |
| | | Qty vide item No-03(50% ) | | | | | **188.32** | 227.61 | **42864.00** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 5 | Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured )**(BCSR Item No 3.2,Page No. 10)** | Cum | | | | | | | | |
| | **Ground floor:-** | | | | | | | | |
| | **New Building:-** | | | | | | | | |
| | Site Formation | | 1 | 30.00 | 12.00 | | 360.00 | | |
| | | A)Up to125% of quantity | | | | | 268.18 | 120.03 | 32189.00 |
| | | B)Above 125% of quantity | | | | | 91.83 | 120.03 | 11022.00 |
| | Basic Rate | 106.00 | | | | | | | |
| | Area Weightage 8% | 8.48 | | | | | | | |
| | Sub Total | 114.48 | | | | | | | |
| | Add +4.85% Above asTender premium | 5.55 | | | | | | | |
| | Total Rs | 120.03 | | | | | | | |
| 6 | KSRB 2.8: Providing and Filling in foundation with granite / trap broken metal 100mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications. (P.No.7, I.No.2.15 of PW, P&IWTD SR 2018-19) | Cum | | | | | | | |
| | **Ground floor:-** | | | | | | | | |
| | New Building,Footings:- | | | | | | | | |
| | C1 | | 3 | 3.50 | 3.40 | 0.35 | 12.50 | | |
| | C2 | | 2 | 3.00 | 2.20 | 0.35 | 4.62 | | |
| | C3 | | 5 | 2.40 | 2.20 | 0.35 | 9.24 | | |
| | C4 | | 3 | 2.25 | 2.20 | 0.35 | 5.20 | | |
| | CF1 | | 1 | 5.45 | 3.70 | 0.35 | 7.06 | | |
| | CF2 | | 1 | 6.85 | 2.88 | 0.35 | 6.90 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CF3 | | 1 | 9.05 | 2.10 | 0.35 | 6.65 | | |
| CF4 | | 1 | 10.55 | 2.10 | 0.35 | 7.75 | | |
| | | | | | | **59.92** | 2750.55 | **164816.00** |
| Basic Rate | 2429.00 | | | | | | | |
| Area Weightage 8% | 194.32 | | | | | | | |
| Sub Total | 2623.32 | | | | | | | |
| Add +4.85% Above asTender premium | 127.23 | | | | | | | |
| Total Rs | 2750.55 | | | | | | | |
| **KSRRB M300-Construction of Embankment with Material Gravel/Murrum**<br>KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (P.No.147, I.No.19.60 of PW, P&IWTD SR 2018-19) | cum | | | | | | | |
| **Ground floor:-** | | | | | | | | |
| **In front of Govt School Ground,open** | | | | | | | | |
| L/Side | | 1 | 3.30 | 3.00 | 0.20 | 1.98 | | |
| | | 1 | 14.40 | 2.10 | 0.20 | 6.05 | | |
| Front | | 1 | 16.00 | 4.50 | 0.20 | 14.40 | | |
| R/Side | | 1 | 7.95 | 9.40 | 0.20 | 14.95 | | |
| | | 1 | 1.95 | 10.50 | 0.20 | 4.10 | | |
| | | 1 | 8.55 | 12.30 | 0.20 | 21.03 | | |
| | | 1 | 2.85 | 1.50 | 0.20 | 0.86 | | |
| | | 1 | 13.50 | 11.10 | 0.20 | 29.97 | | |
| | | 1 | 2.65 | 4.50 | 0.20 | 2.39 | | |
| | | 1 | 4.65 | 2.05 | 0.20 | 1.91 | | |
| | | 1 | 4.80 | 3.00 | 0.20 | 2.88 | | |
| | | 1 | 4.10 | 1.50 | 0.20 | 1.23 | | |
| | | | | | | **101.73** | | |
| (-)Deductions:-Steps | | 2 | 1.80 | 0.90 | 0.20 | 0.65 | | |
| | | 1 | 3.60 | 1.50 | 0.20 | 1.08 | | |
| Flaghausting Flatform | | 1 | 2.40 | 1.80 | 0.20 | 0.86 | | |
| Tree Pathies | | 5 | 0.90 | 0.90 | 0.20 | 0.81 | | |
| | | 1 | 5.70 | 1.20 | 0.20 | 1.37 | | |
| | | 1 | 1.20 | 1.50 | 0.20 | 0.36 | | |
| | | 1 | 1.80 | 1.20 | 0.20 | 0.43 | | |
| | | | | | | 5.56 | | |
| | | | | | | **96.17** | 368.02 | **35392.00** |
| Basic Rate | 325.00 | | | | | | | |
| Area Weightage 8% | 26.00 | | | | | | | |
| Sub Total | 351.00 | | | | | | | |
| Add +4.85% Above asTender premium | 17.02 | | | | | | | |
| Total Rs | 368.02 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | 1.80 | 1.20 | 0.12 | 0.26 | | |
| | | | | | | | 3.34 | | |
| | | | | | | | 119.47 | 5881.58 | 702697.00 |
| | Basic Rate | 5194.00 | | | | | | | |
| | Area Weightage 8% | 415.52 | | | | | | | |
| | Sub Total | 5609.52 | | | | | | | |
| | Add +4.85% Above asTender premium | 272.06 | | | | | | | |
| | Total Rs | 5881.58 | | | | | | | |
| 9 | Providing and constructing granite I trap I basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour,curing complete as per specifications.**(BCSR Item No 5.6,Page No. 25)** | Cum | | | | | | | |
| | **Ground floor:-** | | | | Avg | | | | |
| | **New Building:-**1st footing:-L/Walls | | 2 | 27.00 | 0.60 | 0.60 | 19.44 | | |
| | | | 1 | 7.00 | 0.60 | 0.60 | 2.52 | | |
| | S/Walls | | 2 | 5.80 | 0.60 | 0.60 | 4.18 | | |
| | | | 6 | 5.85 | 0.60 | 0.60 | 12.64 | | |
| | | | | | | | 38.77 | | |
| | | A)Up to125% of quantity | | | | | 32.38 | 5204.42 | 168493.00 |
| | | B)Above 125% of quantity | | | | | 6.40 | 5204.42 | 33293.00 |
| | Basic Rate | 4596.00 | | | | | | | |
| | Area Weightage 8% | 367.68 | | | | | | | |
| | Sub Total | 4963.68 | | | | | | | |
| | Add +4.85% Above asTender premium | 240.74 | | | | | | | |
| | Total Rs | 5204.42 | | | | | | | |
| 10 | Providing 20mm thick cement plaster (cement mortar 1:4) in single coat with cement mortar, to stone masonry & concrete surface including rounding off comers wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification **(BCSR Item No. 15.19/ 15.32, PageNo.116/ 117)** | Sqm | | | | | | | |
| | **New Building Basement:-**:-L/Walls | 2 | 2 | 27.40 | | 0.40 | 43.84 | | |
| | | 2 | 1 | 7.40 | | 0.40 | 5.92 | | |
| | S/Walls | 2 | 2 | 5.75 | | 0.40 | 9.20 | | |
| | | 2 | 6 | 5.80 | | 0.40 | 27.84 | | |
| | | | | | | | 86.80 | 306.87 | 26636.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 11 | KSRB 4-1.7 : Providing and laying in position plain cement concrete of Mix 1 :3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.Specification No. KBS 4.1, 4.2 **(BCSR Item No 4.7,Page No 13)** | cum | | | | | | | |
| | **Ground floor:-** | | | | | | | | |
| | **New Building Coping:-L/Walls** | | 2 | 27.40 | 0.40 | 0.10 | 2.19 | | |
| | | | 1 | 7.40 | 0.40 | 0.10 | 0.30 | | |
| | S/Walls | | 2 | 5.75 | 0.40 | 0.10 | 0.46 | | |
| | | | 6 | 5.80 | 0.40 | 0.10 | 1.39 | | |
| | **Flooring:-Class Room1** | | 1 | 6.00 | 3.30 | 0.10 | 1.98 | | |
| | | | 1 | 6.00 | 3.25 | 0.10 | 1.95 | | |
| | Class Room2 | | 1 | 6.00 | 3.30 | 0.10 | 1.98 | | |
| | | | 1 | 6.00 | 3.25 | 0.10 | 1.95 | | |
| | Corridor | | 1 | 12.30 | 1.50 | 0.10 | 1.85 | | |
| | Toilet Block | | 1 | 6.00 | 3.50 | 0.10 | 2.10 | | |
| | Borewell Corridor | | 1 | 6.00 | 3.25 | 0.10 | 1.95 | | |
| | Corridor | | 1 | 17.90 | 1.50 | 0.10 | 2.69 | | |
| | Anganawadi Hall | | 1 | 6.00 | 5.00 | 0.10 | 3.00 | | |
| | Kitchen,store & Toilet | | 1 | 6.00 | 2.35 | 0.10 | 1.41 | | |
| | Staire case | | 1 | 6.00 | 3.25 | 0.10 | 1.95 | | |
| | | | | | | | **27.14** | 6011.81 | **163161.00** |
| 12 | Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curingcomplete as per specifications.**(BCSR Item No 4.6,Page No 13)** | cum | | | | | | | |
| | **Ground floor:-** | | | | | | | | |
| | **In front of Govt School Ground,open passages:** | | | | | | | | |
| | L/Side | | 1 | 3.30 | 3.00 | 0.10 | 0.99 | | |
| | | | 1 | 14.40 | 2.10 | 0.10 | 3.02 | | |
| | Front | | 1 | 16.00 | 4.50 | 0.10 | 7.20 | | |
| | R/Side | | 1 | 7.95 | 9.40 | 0.10 | 7.47 | | |
| | | | 1 | 1.95 | 10.50 | 0.10 | 2.05 | | |
| | | | 1 | 8.55 | 12.30 | 0.10 | 10.52 | | |
| | | | 1 | 2.85 | 1.50 | 0.10 | 0.43 | | |
| | | | 1 | 13.50 | 11.10 | 0.10 | 14.99 | | |
| | | | 1 | 2.65 | 4.50 | 0.10 | 1.19 | | |
| | | | 1 | 4.65 | 2.05 | 0.10 | 0.95 | | |
| | | | 1 | 4.80 | 3.00 | 0.10 | 1.44 | | |
| | | | 1 | 4.10 | 1.50 | 0.10 | 0.62 | | |
| | | | | | | | **50.86** | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Area Weightage 8% | 483.60 | | | | | | | |
| | Sub Total | 6528.60 | | | | | | | |
| | Add +4.85% Above asTender premium | 316.64 | | | | | | | |
| | Total Rs | 6845.24 | | | | | | | |
| 14 | Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm anddown size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with super plasticisers @31ts confirming to 189103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 ems thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.**(BCSR Item No 4.12, Page No.14)** | Cum | | | | | | | |
| | **First floor:-** | | | | | | | | |
| | Columns | | 20 | 0.45 | 0.20 | 2.10 | 3.78 | | |
| | | | 20 | 0.45 | 0.20 | 0.40 | 0.72 | | |
| | | | 20 | 0.45 | 0.20 | 0.80 | 1.44 | | |
| | Varandah Columns | | 10 | 0.38 | 0.20 | 2.70 | 2.05 | | |
| | | | 10 | 0.38 | 0.20 | 0.80 | 0.61 | | |
| | Lintels:-L/walls | | 2 | 28.10 | 0.20 | 0.20 | 2.25 | | |
| | S/walls | | 4 | 5.00 | 0.20 | 0.20 | 0.80 | | |
| | Tie Beams:-L/walls | | 3 | 28.10 | 0.20 | 0.30 | 5.06 | | |
| | S/walls | | 10 | 5.00 | 0.20 | 0.30 | 3.00 | | |
| | | | 4 | 1.40 | 0.20 | 0.30 | 0.34 | | |
| | Roof slab | | 1 | 28.10 | 7.00 | 0.15 | 29.51 | | |
| | First floor Terrace slab | | 1 | 2.95 | 1.75 | 0.15 | 0.77 | | |
| | Supporting Beam | | 2 | 1.60 | 0.38 | 0.30 | 0.36 | | |
| | Second floor Terrace slab | | 1 | 2.95 | 1.75 | 0.15 | 0.77 | | |
| | | | | | | | **51.46** | 6913.18 | **355756.00** |
| 15 | Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391 cum, with super plasticisers @0.2251ts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.**(BCSR Item No 4.20, Page No .15)** | Sqm | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Ground floor:-** | | | | | | | | |
| | **New Building:-W1** | | 11 | 1.50 | 0.45 | | 7.43 | | |
| | V1 | | 8 | 0.90 | 0.45 | | 3.24 | | |
| | V2 | | 1 | 0.75 | 0.45 | | 0.34 | | |
| | | | | | | | **11.00** | 561.66 | **6180.00** |
| 16 | Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.05865cum and fine aggregtes @ 0.0391 cum, with super plasticisers @0.2251ts, machine mixed, well compacted for plain chajja of 8.5 ems. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications.**(BCSR Item No 4.20, Page No .15)** | Sqm | | | | | | | |
| | **First floor:-** | | | | | | | | |
| | Building Backside | | 9 | 1.35 | 0.45 | | 5.47 | 567.32 | 3102.00 |
| 17 | Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and I or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. and Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5 m. or part there of cost of labour, complete as per specifications.- do-TMT bars Fe 500 **(BCSR Item No 4.46Page No.18)** | Tonnes | | | | | | | |
| | **Ground floor:-** | | | | | | | | |
| | **New Building:-(105 KG/1cum)** | | | | 174.27 | 105.00 | 18298.78 | | |
| | (30 KG/1cum) | | | | 11.00 | 30.00 | 330.08 | | |
| | | | | | | | **18628.86** | | |
| | | | | | | | **18.63** | | |
| | | A)Up to125% of quantity | | | | | **16.11** | 80360.48 | **1294808.00** |
| | | B)Above 125% of quantity | | | | | **2.52** | 80360.48 | **202216.00** |
| | Basic Rate | 70966.00 | | | | | | | |
| | Area Weightage 8% | 5677.28 | | | | | | | |
| | Sub Total | 76643.28 | | | | | | | |
| | Add +4.85% Above asTender premium | 3717.20 | | | | | | | |
| | Total Rs | 80360.48 | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2 | 6 | 5.80 | | 0.45 | 31.32 | | |
| | | Partition Wall | 2 | 2 | 3.50 | | 0.30 | 4.20 | | |
| | | | 2 | 2 | 2.35 | | 0.30 | 2.82 | | |
| | | Partition Wall | 2 | 1 | 1.40 | | 0.30 | 0.84 | | |
| | | | 2 | 4 | 1.10 | | 0.30 | 2.64 | | |
| | | | 2 | 2 | 2.60 | | 0.30 | 3.12 | | |
| | | **Tie beam:-L/Walls** | 2 | 2 | 27.40 | | 0.45 | 49.32 | | |
| | | | 2 | 1 | 7.40 | | 0.45 | 6.66 | | |
| | | S/Walls | 2 | 2 | 5.75 | | 0.45 | 10.35 | | |
| | | | 2 | 2 | 5.80 | | 0.45 | 10.44 | | |
| | | | 2 | 6 | 5.80 | | 0.45 | 31.32 | | |
| | | Center beams | 2 | 2 | 6.20 | | 0.60 | 14.88 | | |
| | | | | | | | | **244.68** | 330.65 | **80903.00** |
| 24 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labourcompleteas per specifications **(BCSR Item No 4.34, Page No.17)** | Sqm | | | | | | | | |
| | | **First floor:-** | | | | | | | | |
| | | Lintels,L/walls | 2 | 2 | 28.10 | | 0.20 | 22.48 | | |
| | | S/walls | 2 | 4 | 5.00 | | 0.20 | 8.00 | | |
| | | Tie Beams:-L/walls | 2 | 3 | 28.10 | | 0.30 | 50.58 | | |
| | | S/walls | 2 | 10 | 5.00 | | 0.30 | 30.00 | | |
| | | | 2 | 4 | 1.40 | | 0.30 | 3.36 | | |
| | | Supporting Beam | 2 | 2 | 1.60 | | 0.30 | 1.92 | | |
| | | | | | | | | **116.34** | 336.95 | **39200.00** |
| | | Basic Rate | 292.00 | | | | | | | |
| | | Area Weightage 8% | 23.36 | | | | | | | |
| | | Total Rs | 315.36 | | | | | | | |
| | | 1st floor Lift Charges | 6.00 | | | | | | | |
| | | Sub Total RS | 321.36 | | | | | | | |
| | | Add +4.85% Above asTender premium | 15.59 | | | | | | | |
| | | Grand Total Rs | 336.95 | | | | | | | |
| 25 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labourcompleteas per specifications **(BCSR Item No 4.35, Page No.17)** | Sqm | | | | | | | | |
| | | **Ground floor:-** | | | | | | | | |
| | | **Lintel beam:-L/Walls** | 2 | 2 | 27.40 | | 0.20 | 21.92 | | |
| | | | 2 | 1 | 7.40 | | 0.20 | 2.96 | | |
| | | S/Walls | 2 | 2 | 5.75 | | 0.20 | 4.60 | | |
| | | | 2 | 2 | 5.80 | | 0.20 | 4.64 | | |
| | | | 2 | 6 | 5.80 | | 0.20 | 13.92 | | |
| | | Partition Wall | 2 | 2 | 3.50 | | 0.15 | 2.10 | | |
| | | | 2 | 2 | 2.35 | | 0.15 | 1.41 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 29 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for chajja, corbels etc., including edges including cost of all materials, labour complete as per specifications.**(BCSR Item 4.37,Page No.17)** | Sqm | | | | | | | |
| | **First floor:** | | | | | | | | |
| | Building Backside | | 9 | 1.35 | 0.45 | | 5.47 | | |
| | | | | | | | 5.47 | 372.05 | 2034.00 |
| | Basic Rate | 323.00 | | | | | | | |
| | Area Weightage 8% | 25.84 | | | | | | | |
| | Total Rs | 348.84 | | | | | | | |
| | 1st floor Lift Charges | 6.00 | | | | | | | |
| | Sub Total RS | 354.84 | | | | | | | |
| | Add +4.85% Above asTender premium | 17.21 | | | | | | | |
| | Grand Total Rs | 372.05 | | | | | | | |
| 30 | Providing & applying water proofing to concrete surfaces usinghigh quality polymer-modified bituminous compounds (confirming to ASTM Sqm D 5147) reinforced with non woven polyester fabric, weighing 180gml sqm granular finish 4mm thick by torch on application method confirming to the properties indicated below. It shall be provided after priming the surface using bitumen primer at 0.2 ltr lsqm. Detailed specification & Methodology<br>1. Membrane thickness 4mm (+ or - 5%)<br>2. Tensile strength - Longitudinal 790 N15cm Transverse 730 N15cm<br>3. Elongation of Membrane - Longitudinal 65% Transverse 69%<br>4. Tear Resistance - Longitudinal 180 NTransverse 190 N<br>5. Lap joint strength - Longitudinal 750 N15cm Transverse 550 N15cm<br>6. Puncture Resistance - Static 1.4 Dynamic 1.3<br>7. Water absorption - < 0.15% | sqm | | | | | | | |
| | **Ground floor:-** | | | | | | | | |
| | Roof | | 1 | 12.70 | 8.90 | | 113.03 | | |
| | | | 1 | 18.20 | 8.30 | | 151.06 | | |
| | **First floor:-** | | | | | | | | |
| | Slab | | 1 | 27.00 | 6.70 | | 180.90 | | |
| | First floor Terrace slab | | 1 | 2.95 | 1.75 | | 5.16 | | |
| | Second floor Terrace slab | | 1 | 2.95 | 1.75 | | 5.16 | | |
| | | | | | | | 455.32 | 486.92 | 221701.98 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | C2 | | 2 | 0.45 | 0.23 | 0.40 | 0.08 | | |
| | C3 | | 5 | 0.45 | 0.23 | 0.40 | 0.21 | | |
| | C4 | | 3 | 0.45 | 0.23 | 0.40 | 0.12 | | |
| | CF1 | | 2 | 0.45 | 0.23 | 0.40 | 0.08 | | |
| | CF2 | | 2 | 0.45 | 0.23 | 0.40 | 0.08 | | |
| | CF3 | | 2 | 0.45 | 0.23 | 0.40 | 0.08 | | |
| | CF4 | | 2 | 0.45 | 0.23 | 0.40 | 0.08 | | |
| | **Lintel beam:-L/Walls** | | 2 | 27.40 | 0.23 | 0.20 | 2.52 | | |
| | | | 1 | 7.40 | 0.23 | 0.20 | 0.34 | | |
| | S/Walls | | 2 | 5.75 | 0.23 | 0.20 | 0.53 | | |
| | | | 2 | 5.80 | 0.23 | 0.20 | 0.53 | | |
| | | | 6 | 5.80 | 0.23 | 0.20 | 1.60 | | |
| | Partition Wall | | 2 | 3.50 | 0.15 | 0.15 | 0.16 | | |
| | | | 2 | 2.35 | 0.15 | 0.15 | 0.11 | | |
| | Partition Wall | | 1 | 1.40 | 0.10 | 0.15 | 0.02 | | |
| | | | 4 | 1.10 | 0.10 | 0.15 | 0.07 | | |
| | | | 2 | 2.60 | 0.10 | 0.15 | 0.08 | | |
| | | | | | | | **18.08** | | |
| | | | | | | | **51.78** | 7597.14 | 393371.00 |
| | | | | | | | | | |
| 33 | KSRB 6-2 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 5.0 Newton per sqmm (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.Specification No. KBS 6.2**(BCSR Item No 6.6,Page No.29)** | Cum | | | | | | | |
| | New Building Parapet walls | | | | | | | | |
| | L/walls | | 2 | 27.25 | 0.23 | 0.80 | 10.03 | | |
| | S/walls | | 2 | 12.25 | 0.23 | 0.80 | 4.51 | | |
| | | | | | | | **14.54** | 7665.08 | **111419.60** |
| | | | | | | | | | |
| 34 | KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (P No.27, I No. 5.26.1) | sqm | | | | | | | |
| | **First Floor:-** | | | | | | | | |
| | L/walls | | 2 | 28.10 | | 3.00 | 168.60 | | |
| | S/walls | | 4 | 5.00 | | 3.00 | 60.00 | | |
| | | | | | | | **228.60** | | |
| | Deductions:-(-) Columns | | 20 | 0.45 | | 2.10 | 18.90 | | |
| | | | 20 | 0.45 | | 0.40 | 3.60 | | |
| | Lintels:-L/walls | | 2 | 28.10 | | 0.20 | 11.24 | | |
| | S/walls | | 4 | 5.00 | | 0.20 | 4.00 | | |
| | Tie Beams:-L/walls | | 2 | 28.10 | | 0.30 | 16.86 | | |
| | S/walls | | 4 | 5.00 | | 0.30 | 6.00 | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Basic Rate | 811.00 | | | | | | | | |
| | Area Weightage 8% | 64.88 | | | | | | | | |
| | Total Rs | 875.88 | | | | | | | | |
| | 1st floor Lift Charges | 35.00 | | | | | | | | |
| | Sub Total RS | 910.88 | | | | | | | | |
| | Add +4.85% Above asTender premium | 44.18 | | | | | | | | |
| | Grand Total Rs | 955.06 | | | | | | | | |
| | | | | | | | | | | |
| 37 | Fixing of Door frames in an existing opening including embedding frame in floor and walls after cutting masonry for embedding holdfasts including providing & fixing 3/4 of MS hold fasts of size 200x20x3mm for each side and fixed to the frame and embeded with PCC 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size), painting two coats of coal tar to sides of frames, making good the damages to walls & floor as required and disposal of debris including cost of materials, labour, HOM of machineries complete as per specifications all as per the drawing and as per the directions of the Engineer-in-charge of the work.**(BCSR Item No 9.80, Page No.60)** | Cum | | | | | | | | |
| | **Ground Floor: -** | | | | | | | | | |
| | D1 | | 3 | | | | 3.00 | | | |
| | D2 | | 5 | | | | 5.00 | | | |
| | D3 | | 6 | | | | 6.00 | | | |
| | | | | | | | **14.00** | | | |
| | | A)Up to125% of quantity | | | | | **10.00** | 1546.83 | 15468.00 | |
| | | | | | | | | | | |
| | | B)Above 125% of quantity | | | | | 4.00 | 1546.83 | 6187.00 | |
| | Basic Rate | 1366.00 | | | | | | | | |
| | Area Weightage 8% | 109.28 | | | | | | | | |
| | Sub Total | 1475.28 | | | | | | | | |
| | Add +4.85% Above asTender premium | 71.55 | | | | | | | | |
| | Total Rs | 1546.83 | | | | | | | | |
| | | | | | | | | | | |
| 38 | Fixing of Door frames in an existing opening including embedding frame in floor and walls after cutting masonry for embedding holdfasts including providing & fixing 3/4 of MS hold fasts of size 200x20x3mm for each side and fixed to the frame and embeded with PCC 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size), painting two coats of coal tar to sides of frames, making good the damages to walls & floor as required and disposal of debris including cost of materials, labour, HOM of machineries complete as per specifications all as per the drawing and as per the directions of the Engineer-in-charge of the work.**(BCSR Item No 9.80, Page No.60)** | Cum | | | | | | | | |
| | First Floor | | 3 | | | | 3.00 | | | |
| | | | | | | | **3.00** | 1551.36 | 4654.00 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 42 | KSRB 15-3.14/15-7: Providing 12mm thick plain plastering in single coat to internal ceiling & RC surfaces in cement mortar 1:4 (1 cement : 4 fine sand) including providing & removing necessary scaffolding, rounding of corners wherever required, smooth rendering with lime, curing etc. including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., compelte & as per specification and as directed by Engineer.**(BCSR Item No 15.22, Page No.116)** | Sqm | | | | | | | |
| | **Ground Floor:-** | | | | | | | | |
| | Class Room1 | | 1 | 6.00 | 6.70 | | 40.20 | | |
| | Class Room2 | | 1 | 6.00 | 6.70 | | 40.20 | | |
| | Corridor | | 1 | 12.30 | 1.50 | | 18.45 | | |
| | Toilet Block | | 1 | 6.00 | 3.50 | | 21.00 | | |
| | Borewell Corridor | | 1 | 6.00 | 3.25 | | 19.50 | | |
| | Corridor | | 1 | 17.90 | 1.50 | | 26.85 | | |
| | Anganawadi Hall | | 1 | 6.00 | 5.00 | | 30.00 | | |
| | Kitchen,store & Toilet | | 1 | 6.00 | 2.35 | | 14.10 | | |
| | Staire case | | 1 | 6.00 | 3.25 | | 19.50 | | |
| | | | | | | | **229.80** | 254.79 | 58551.00 |
| 43 | KSRB 15-3.14/15-7: Providing 12mm thick plain plastering in single coat to internal ceiling & RC surfaces in cement mortar 1:4 (1 cement : 4 fine sand) including providing & removing necessary scaffolding, rounding of corners wherever required, smooth rendering with lime, curing etc. including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., compelte & as per specification and as directed by Engineer.**(BCSR Item No 15.22, Page No.116)** | Sqm | | | | | | | |
| | **First Floor:-** | | | | | | | | |
| | Rooms | | 3 | 9.10 | 5.00 | | 136.50 | | |
| | | | 12 | 5.00 | | 0.30 | 18.00 | | |
| | Varandah | | 1 | 27.90 | 1.40 | | 39.06 | | |
| | | | 6 | 1.40 | | 0.30 | 2.52 | | |
| | First floor Terrace slab | | 1 | 2.95 | 1.75 | | 5.16 | | |
| | Second floor Terrace slab | | 1 | 2.95 | 1.75 | | 5.16 | | |
| | | | | | | | **206.41** | 268.37 | 55393.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 52 | "Providing and fixing skirting of 100mm high with Vitrified tiles of 10mm minimum thick of first quality and of approved make & sample, conforming to IS specifications, laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 fine sand) with a thin coat of cement slurry on a prepared bed / floor slabs including finishing the joints with matching coloured cement, oxalic acid wash, waxing, curing etc. with all lead and lift etc. complete as per the directions of the Engineer-in-charge including cost & conveyance of all materials, cost of labour for all items of work, equipment and all other incidental charges for the successful completion of the work.**(Refer BCSR item 14.45, Page No.107)** | Sqm | | | | | | | | |
| | **Old Building** | | | | | | | | |
| | Room1 | | 2 | 9.15 | | 0.10 | 1.83 | | |
| | | | 2 | 5.00 | | 0.10 | 1.00 | | |
| | Room2 | | 2 | 9.15 | | 0.10 | 1.83 | | |
| | | | 2 | 5.00 | | 0.10 | 1.00 | | |
| | Room3 | | 2 | 9.15 | | 0.10 | 1.83 | | |
| | | | 2 | 5.00 | | 0.10 | 1.00 | | |
| | Corridor | | 1 | 28.10 | | 0.15 | 4.22 | | |
| | | | 1 | 1.65 | | 0.15 | 0.25 | | |
| | | | 1 | 1.65 | | 0.15 | 0.25 | | |
| | Pillars | | 10 | 1.10 | | 0.15 | 1.65 | | |
| | | | | | | | **14.85** | 110.74 | 1644.49 |
| 53 | Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications.-do- using silver grey granite/Multy Red/Ruby Red/Black/ Hassan Green Granite of width not less than 1200mm.**(BCSR Item No 14.47.1, Page No.109)** | Sqm | | | | | | | | |
| | **Ground Floor:-** | | | | | | | | |
| | Kitchen,store | | 1 | 4.80 | 2.35 | | 11.28 | | |
| | | | | | | | **11.28** | 3101.59 | 34985.94 |
| 54 | Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, completeas per specifications.**(BCSR Item No 14.41.1, Page No.108)** | Sqm | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Ground Floor** | | | | | | | | |
| | Kitchen,store | | 2 | 4.80 | | 1.80 | 17.28 | | |
| | | | 2 | 2.35 | | 1.80 | 8.46 | | |
| | | | | | | | **25.74** | | |
| | D2 | | 1 | 0.90 | | 1.80 | 1.62 | | |
| | | | | | | | **24.12** | 1439.15 | 34712.30 |
| 55 | Providing and fixind of factory made 30mm P.V.C rigid foam PANEL DOORS made from MS tube of 19 guage, size of 19mm x 19mm and covered with heat moulded PVC C Channel of 5 mm thick and width of 50mm to form styles and rails. The inner panel should be inserted in between the frame with 5mm thick PVC rigid foam sheet, weldedfsealed to the styles and rails along with 5mm PVC, heeding on all and either sides. The vertical tubes may be filled with suitable wood material tofurther enhance the screw holding capacity **(Refer BCSR item 9.91, Page No. 62)** | Sqm | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | | | 1 | 0.90 | | 2.10 | 1.89 | | |
| | | | | | | | **1.89** | 2722.24 | 5145.03 |
| 56 | KSRB 7.1 : Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx1 Ommx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails ofT iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 ems. c to c applying a priming coat of red lead paint cost of materials, labour, HOM complete as per specifications. size of gate 2.4mx1.4m Specification No. KBS 7.7/7.12 **(BCSR Item No 7.1,Page No. 33)** | Sqm | | | | | | | |
| | **Ground Floor** | | | | | | | | |
| | | | 1 | 2.30 | | 2.10 | 4.83 | | |
| | | | | | | | **4.83** | 5899.70 | 28495.55 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 6 | 5.00 | | 0.10 | 3.00 | | |
| | Varandah | | 1 | 27.50 | 1.40 | | 38.50 | | |
| | First Floor Terrace | | 1 | 3.35 | 1.40 | | 4.69 | | |
| | | | 1 | 1.40 | | 0.30 | 0.42 | | |
| | | | | | | | 188.57 | 1246.75 | 235100.00 |
| 60 | Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.. with primer Internal Masonry wall surfaces **(BCSR Item No 15.49.1 & 15.49.2,Page No.116)** | Sqm | | | | | | | |
| | **Ground Floor:-(Old Building)** | | | | | | | | |
| | Cealing:-Rooms | | 3 | 9.10 | 5.00 | | 136.50 | | |
| | | | 12 | 5.00 | | 0.30 | 18.00 | | |
| | Varandah | | 1 | 27.90 | 1.40 | | 39.06 | | |
| | | | 6 | 1.40 | | 0.30 | 2.52 | | |
| | Interior Walls:-L/walls | | 6 | 9.10 | | 3.00 | 163.80 | | |
| | S/walls | | 6 | 5.00 | | 3.00 | 90.00 | | |
| | L/walls | | 1 | 27.90 | | 3.00 | 83.70 | | |
| | S/walls | | 1 | 1.40 | | 3.00 | 4.20 | | |
| | | | 20 | 0.38 | | 3.00 | 22.80 | | |
| | | | 20 | 0.20 | | 3.00 | 12.00 | | |
| | | | | | | | | | |
| | | | | | | | 572.58 | | |
| | Door | 2 | 3 | 1.05 | | 2.10 | 13.23 | | |
| | Windows -Back | 1 | 9 | 1.10 | | 1.20 | 11.88 | | |
| | Front | 2 | 6 | 1.25 | | 1.20 | 18.00 | | |
| | | | | | | | 43.11 | | |
| | | | | | | | 529.47 | 133.62 | 70748.00 |
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Windows:-Back | | 9 | 1.10 | | 1.20 | 11.88 | | |
| | | | | | | | **133.92** | 124.56 | **16681.00** |
| | | | | | | | | | |
| 63 | Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.**(BCSR Item No 15.53.2, Page No.120)** | Sqm | | | | | | | |
| | **First Floor:-** | | | | | | | | |
| | L/walls | | 1 | 28.10 | | 3.90 | 109.59 | | |
| | | | 1 | 28.10 | | 1.20 | 33.72 | | |
| | S/walls | | 1 | 7.00 | | 3.90 | 27.30 | | |
| | | | 1 | 5.40 | | 3.90 | 21.06 | | |
| | Parapet wall Inside | | 2 | 27.90 | | 1.00 | 55.80 | | |
| | | | 2 | 6.80 | | 1.00 | 13.60 | | |
| | | | | | | | **261.07** | | |
| | Windows.-Back | | 9 | 1.05 | | 1.20 | 11.34 | | |
| | | | | | | | **11.34** | | |
| | | | | | | | **249.73** | | |
| | | A)Up to125% of quantity | | | | | 208.95 | 129.09 | 26973.00 |
| | | | | | | | | | |
| | | B)Above 125% of quantity | | | | | 40.78 | 121.79 | 4967.00 |
| | Basic Rate | 102.00 | | | | | | | |
| | Area Weightage 8% | 8.16 | | | | | | | |
| | Total Rs | 110.16 | | | | | | | |
| | 1st floor Lift Charges | 6.00 | | | | | | | |
| | Sub Total RS | 116.16 | | | | | | | |
| | Add +4.85% Above asTender premium | 5.63 | | | | | | | |
| | Grand Total Rs | 121.79 | | | | | | | |
| | | | | | | | | | |
| 64 | KSRB 7.8 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with | Sqm | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10.26 | 21.00 | 215.46 | 107.58 | 23179.19 |
| 67 | Providing and fixing MS grill work for windows and ventilators weighing 21 kgs./ sqm. using MS flats or MS square bars or combination of MS flats and square bars as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat red lead primer & two coats synthetic enamel paint, cost of materials, fixtures, labour and HOM of machinery complete as per technical specification and as directed by the Engineer-in-Charge of work.with all lead & lift, loading & unloading and all other incidental charges etc**(.BCSR Item No 7.9,Page No. 34)** | Kgs | | | | | | | |
| | First Floor | | | | | | | | |
| | Grill:-Terrace slab | | 2 | 2.85 | | 0.90 | 5.13 | | |
| | | | | | | | **5.13** | | |
| | | | | | 5.13 | 21.00 | **107.73** | 114.37 | 12321.08 |
| 68 | KSRB 15-17.4 : Applying priming coat over new wood surface and I or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.**(BCSR Item No 15.58, Page No.121)** | Sqm | | | | | | | |
| | **First Floor:-** | | | | | | | | |
| | Doors | 2 | 3 | 1.05 | | 2.10 | 13.23 | | |
| | Back | 2 | 9 | 1.10 | | 1.20 | 23.76 | | |
| | Front | 2 | 6 | 1.20 | | 1.20 | 17.28 | | |
| | | | | | | | **54.27** | | |
| | | A)Up to125% of quantity | | | | | **12.60** | 61.15 | 770.00 |
| | | B)Above 125% of quantity | | | | | **41.67** | 60.81 | **2534.00** |
| | Basic Rate | 50.00 | | | | | | | |
| | Area Weightage 8% | 4.00 | | | | | | | |
| | Total Rs | 54.00 | | | | | | | |
| | 1st floor Lift Charges | 4.00 | | | | | | | |
| | Sub Total RS | 58.00 | | | | | | | |
| | Add +4.85% Above asTender premium | 2.81 | | | | | | | |
| | Grand Total Rs | 60.81 | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 69 | KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat ) on new wood surface and I or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as perspecifications.**(BCSR Item No 15.60.1, Page No.121)** | Sqm | | | | | | | |
| | **Ground Floor Old Building:-** | | | | | | | | |
| | Doors | 2 | 3 | 1.05 | | 2.10 | 13.23 | | |
| | Back | 2 | 9 | 1.10 | | 1.20 | 23.76 | | |
| | Front | 2 | 6 | 1.20 | | 1.20 | 17.28 | | |
| | | | | | | | **54.27** | | |
| | | A)Up to125% of quantity | | | | | **41.20** | 109.84 | **4525.00** |
| | | B)Above 125% of quantity | | | | | **13.07** | 109.84 | **1436.00** |
| | Basic Rate | 97.00 | | | | | | | |
| | Area Weightage 8% | 7.76 | | | | | | | |
| | Sub Total RS | 104.76 | | | | | | | |
| | Add +4.85% Above asTender premium | 5.08 | | | | | | | |
| | Grand Total Rs | 109.84 | | | | | | | |
| 70 | KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat ) on new wood surface and I or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as perspecifications.**(BCSR Item No 15.60.1, Page No.121)** | Sqm | | | | | | | |
| | **First Floor:-** | | | | | | | | |
| | Doors | 2 | 3 | 1.05 | | 2.10 | 13.23 | | |
| | Back | 2 | 9 | 1.10 | | 1.20 | 23.76 | | |
| | Front | 2 | 6 | 1.20 | | 1.20 | 17.28 | | |
| | | | | | | | **54.27** | | |
| | | A)Up to125% of quantity | | | | | **12.60** | 114.37 | **1441.00** |
| | | B)Above 125% of quantity | | | | | **41.67** | 114.03 | **4752.00** |
| | Basic Rate | 97.00 | | | | | | | |
| | Area Weightage 8% | 7.76 | | | | | | | |
| | Total Rs | 104.76 | | | | | | | |
| | 1st floor Lift Charges | 4.00 | | | | | | | |
| | Sub Total RS | 108.76 | | | | | | | |
| | Add +4.85% Above asTender premium | 5.27 | | | | | | | |
| | Grand Total Rs | 114.03 | | | | | | | |
| 71 | Providing and fixing sand cast iron soil waste and vent pipes with spun yarn soaked in cement slurry and cement mortar 1 :2 including cost of materials, labour, testing complete as perspecifications.**(BCSR Item No 12.47, Page No.85)** | m | | | | | | | |
| | Sanitary Line | | 1 | 30.00 | | | **30.00** | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 30.00 | 754.17 | 22625.10 |
| 72 | Constructing brick masonry Inspection chamber for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) internal dimensions. total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1 :3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. - 450x300mm and 450mm depth ( clear inside dimension ) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.1 cover withframe (light duty) 450x300mm **(BCSR Item No 11.50.4, Page No.76)** | Cum | | | | | | | |
| | | | 1 | | | | 1.00 | | |
| | | | | | | | **1.00** | 4303.04 | 4303.04 |
| 73 | Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure of outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor including cost of all materials, labour charges, HOM and testing complete as per specifications.-90 mm dia **(BCSR Item No 13.70.4, Page No.95)** | m | | | | | | | |
| | Waste Water Line Pipe | | 1 | 30.00 | | | 30.00 | | |
| | | | | | | | **30.00** | 430.30 | 12909.00 |
| | **Electrifications:-** | | | | | | | | |
| 74 | Supplying heavy gauge PVC conduit pipe .....mm dia mmthick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary. 19/20mm dia 2mm thick **(As per SR 19-20, Item No. 1.2.1, Page No.2 )** | Mtr | | | | | | | |
| | | | 1 | 230.00 | | | 230.00 | | |
| | | | | | | | **230.00** | 41.94 | 9646.20 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 79 | Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm(Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLSmulti strand PVC insulated copper wire (confirming toIS- 694: and latest amendments) without control switchshall be fixed on the existing plastic sheet/ gang box, theother end of the wires shall be terminated with sufficientloose length in a wood/PVC round block. complete for eachoutlet. Medium point above 3Mtr upto 6Mtr from tapping point to outlet via switch box.**(As per SR 19-20, Item No. 2.2.2, Page No.5)** | Nos | | | | | | | |
| | | | 19 | | | | 19.00 | | |
| | | | | | | | **19.00** | 262.13 | 4980.47 |
| 80 | Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm(Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLSmulti strand PVC insulated copper wire (confirming toIS- 694: and latest amendments) without control switchshall be fixed on the existing plastic sheet/ gang box, theother end of the wires shall be terminated with sufficientloose length in a wood/PVC round block. complete for eachoutlet. Long point above 6Mtr upto 10Mtr from tapping point to outlet via switch box.**(As per SR 19-20, Item No. 2.2.3, Page No.5)** | Nos | | | | | | | |
| | | | 6 | | | | 6.00 | | |
| | | | | | | | **6.00** | 393.19 | 2359.14 |
| 81 | Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm(Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLSmulti strand PVC insulated copper wire (confirming toIS- 694: and latest amendments) without control switchshall be fixed on the existing plastic sheet/ gang box, theother end of the wires shall be terminated with sufficientloose length in a wood/PVC round block. complete for eachoutlet. Two outlet in a row, above 3Mtr upto 6Mtr from tapping pointto out let via switches.**(As per SR 19-20, Item No. 2.2.4, Page No.5)** | Nos | | | | | | | |
| | | | 32 | | | | 32.00 | | |
| | | | | | | | **32.00** | 498.04 | 15937.28 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 82 | Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm(Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLSmulti strand PVC insulated copper wire (confirming toIS- 694: and latest amendments) without control switchshall be fixed on the existing plastic sheet/ gang box, theother end of the wires shall be terminated with sufficientloose length in a wood/PVC round block. complete for eachoutlet. Three outlet in a row, above 6Mts upto 10Mtr from tappingpoint to out let via switches box**(As per SR 19-20, Item No. 2.2.5, Page No.5)** | Nos | | | | | | | |
| | | | 1 | | | | 1.00 | | |
| | | | | | | | **1.00** | 707.74 | 707.74 |
| 83 | Wiring for lighting/power circuit using one of FRLS PVCinsulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 sqmm**(As per SR 19-20, Item No. 2.3.2, Page No.5)** | Mtr | | | | | | | |
| | | | 1 | 160.00 | | | 160.00 | | |
| | | | | | | | **160.00** | 21.49 | 3438.40 |
| 84 | Wiring for lighting/power circuit using one of FRLS PVCinsulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 2.5 sqmm**(As per SR 19-20, Item No. 2.3.3, Page No.6)** | Mtr | | | | | | | |
| | | | 1 | 260.00 | | | 260.00 | | |
| | | | | | | | **260.00** | 33.55 | 8723.00 |
| 85 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting inBrick/Stone/C.C wall .1-3Way**(As per SR 19-20, Item No. 3.4.1, Page No.9)** | Nos | | | | | | | |
| | | | 3 | | | | 3.00 | | |
| | | | | | | | **3.00** | 99.61 | 298.83 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 86 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cuttinginBrick/Stone/C.C wall .10-12Way**(As per SR 19-20, Item No. 3.4.5, Page No.9)** | Nos | | | | | | | |
| | | | 9 | | | | 9.00 | | |
| | | | | | | | **9.00** | 173.00 | 1557.00 |
| 87 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module**(As per SR 19-20, Item No. 3.5.1, Page No.9)** | Nos | | | | | | | |
| | | | 2 | | | | 2.00 | | |
| | | | | | | | **2.00** | 115.34 | 230.68 |
| 88 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 10-12 Module**(As per SR 19-20, Item No. 3.5.5, Page No.9)** | Nos | | | | | | | |
| | | | 9 | | | | 9.00 | | |
| | | | | | | | **9.00** | 241.16 | 2170.44 |
| 89 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6Amps one way Switch **(As per SR 19-20, Item No. 3.6.1,Page No.10)** | Nos | | | | | | | |
| | | | 66 | | | | 66.00 | | |
| | | | | | | | **66.00** | 73.40 | 4844.40 |
| 90 | Supplying and fixing of modular switch & connected accessorieson existing modular switch plate as per IS 3854 and IS 1293. 6Amps 3way socket**(As per SR 19-20, Item No. 3.6.3,Page No.10)** | Nos | | | | | | | |
| | | | 12 | | | | 12.00 | | |
| | | | | | | | **12.00** | 110.09 | 1321.08 |
| 91 | Supplying and fixing of modular switch & connected accessorieson existing modular switch plate as per IS 3854 and IS 1293. Stepped Fan Regulator.**(As per SR 19-20,Item No. 3.6.4, Page No.10)** | Nos | | | | | | | |
| | | | 20 | | | | 20.00 | | |
| | | | | | | | **20.00** | 304.07 | 6081.40 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 92 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 withShort circuit breaking capacity of 10K and complete wiring as requiredconfirming to IEC 60898. 6-32Amps SP **(As per SR 19-20, Item No. 5.17.1,Page No.27)** | Nos | | | | | | | |
| | | | 8 | | | | 8.00 | | |
| | | | | | | | **8.00** | 455.05 | 3640.40 |
| 93 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 withShort circuit breaking capacity of 10K and complete wiring as requiredconfirming to IEC 60898. 6-32Amps DP **(As per SR 19-20, Item No. 5.17.4,Page No.27)** | Nos | | | | | | | |
| | | | 3 | | | | 3.00 | | |
| | | | | | | | **3.00** | 953.09 | 2859.27 |
| 94 | Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure. 6Way SP &N , Double door **(As per SR 19-20, Item No. 5.18.6,Page No.28)** | Nos | | | | | | | |
| | | | 3 | | | | 3.00 | | |
| | | | | | | | **3.00** | 1363.05 | 4089.15 |
| 95 | Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS- 3975:1990 (No.of Strip indicated in GTP & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A (55/7.4) , 4 core 10 sqmm **(As per SR 14-15, Item No. 7.4.2, Page No.55)** | Nos | | | | | | | |
| | | | 1 | 70.00 | | | 70.00 | | |
| | | | | | | | **70.00** | 124.56 | 8719.20 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 96 | Supply of round/square recess/surface mounted rolling type LED Down light with W GU 10 LED Lamp RibFabricated from Diecast aluminium with white powdercoated prewired to mains connector & has swiveling unit ofaluminium die cast eye ball & LED Lamp position retained bycircular wire spring, with Life of 25000 burning hours & 70%lumen maintenance with CRI > 80 Power Input. 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition. LED square or rounddown light 10-12W **(As per SR 19-20, Item No. 12.5.2,Page No.65)** | Nos | | | | | | | | |
| | | | 50 | | | | 50.00 | | |
| | | | | | | | **50.00** | 805.25 | 40262.50 |
| 97 | Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 56" Sweep (1400mm) Regular model **(As per SR 19-20, Item No. 7.3.2, Page No.46)** | Nos | | | | | | | | |
| | | | 18 | | | | 18.00 | | |
| | | | | | | | **18.00** | 2230.16 | 40142.88 |
| | | | | | | | | Total RS | **9183607.74** |
| | | | | | | | | Add GST @ 12% | 1102032.93 |
| 98 | Miscellanious Charges | L/S | | | | | | | 359.33 |
| | | | | | | | | **Grand Total RS** | **10286000.00** |

**(Rupees one Crore Two Lakh,s Eighty Six Thousand Only)**

**CERTIFICATE**

1 The work spot has been inspected and the work is found necessary
2 The Modified Estimate is prepared as per the PW,P & IWTD SR 2018-19 and Rate analysies including the under Estimate
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

**Assistant Engineer**

**Assistant Executive Engineer**
**Yelahanka Satellite Town Sub Division**

**Executive Engineer**
**Yelahanka Division**

Technical Sanction
Accorded for Rs 10286000.00
Head of A/C 03740
CER NO :...60..... Dt:12.10.2021